

LISTING OF CLAIMS:

1. (Currently amended): A voltage converting device comprising:

a first input portion receiving a first input signal;

a first output portion outputting a first output signal;

a second input portion receiving a second input signal;

a second output portion outputting a second output signal; and

a voltage dropping circuit dropping voltages on a first node located between said first input portion and said first output portion to ground voltage and on a second node located between said second input portion and said second output portion to ground voltage, before changing from a state in which said first input portion is disconnected from said first node to a state in which said first input portion is connected to said first node,

wherein in the state in which said input portion is connected to the first node, the first node and the second node are at complementary high and low voltages.

2. (Previously presented): A voltage converting device for receiving a first input signal having a first high input voltage and a first low input voltage and a second input signal having a second high input voltage and a second low input voltage, said first high input voltage having a relatively high voltage level and said first low input voltage having a relatively low voltage level, and said second high input voltage having a relatively high voltage level and said second low input voltage having a relatively low voltage level, wherein said voltage converting device converts at least one of said first high input voltage and said first low input voltage and outputs said first input signal having a converted voltage level as a first output signal and converts at

least one of said second high input voltage and said second low input voltage and outputs said second input signal having a converted voltage level as a second output signal, wherein said voltage converting device comprises:

- a first input portion receiving said first input signal;
- a first output portion outputting said first output signal;
- a second input portion receiving said second input signal;
- a second output portion outputting said second output signal; and
- a voltage converting circuit converting at least one of said first high input voltage and said first low input voltage and at least one of said second high input voltage and said second low input voltage,

and wherein said voltage converting circuit comprises a first voltage dropping circuit dropping a voltage on a first node located between said first input portion and said first output portion to ground voltage before changing from a state in which said first input portion is disconnected from said first node to a state in which said first input portion is connected to said first node; and a second voltage dropping circuit dropping a voltage on a second node located between said second input portion and said second output portion to ground voltage before changing from a state in which said second input portion is disconnected from said second node to a state in which said second input portion is connected to said second node.

3-8. (Canceled)

9. (Previously presented): A voltage converting device as claimed in claim 2, wherein said voltage converting circuit comprises first conversion voltage supplying part supplying said first node with a first conversion voltage to convert one of said first high input voltage and said first low input voltage, said first conversion voltage having a higher voltage level than said first high input voltage,

and wherein said first voltage dropping circuit drops a voltage on said first node, before changing from a state in which said first input portion is disconnected from said first node and said first conversion voltage supplying part is connected to said first node to a state in which said first input portion is connected to said first node.

10. (Previously presented): A voltage converting device as claimed in claim 9, wherein said voltage converting circuit comprises second conversion voltage supplying part supplying said first node with a second conversion voltage to convert the other of said first high input voltage and said first low input voltage, said second conversion voltage having a voltage level lower than or equal to said first high input voltage,

and wherein said first voltage dropping circuit connects said second conversion voltage supplying part instead of said first conversion voltage supplying part to said first node, before changing from a state in which said first input portion is disconnected from said first node and said first conversion voltage supplying part is connected to said first node to a state in which said first input portion is connected to said first node.

11. (Previously presented): A voltage converting device as claimed in claim 10, wherein said voltage converting circuit comprises third conversion voltage supplying part supplying said

second node with a third conversion voltage to convert one of said second high input voltage and said second low input voltage, said third conversion voltage having a higher voltage level than said second high input voltage,

and wherein said second voltage dropping circuit drops a voltage on said second node, before changing from a state in which said second input portion is disconnected from said second node and said third conversion voltage supplying part is connected to said second node to a state in which said second input portion is connected to said second node.

12. (Previously presented): A voltage converting device as claimed in claim 11 wherein said voltage converting circuit comprises fourth conversion voltage supplying part supplying said second node with a fourth conversion voltage to convert the other of said second high input voltage and said second low input voltage, said fourth conversion voltage having a voltage level lower than or equal to said second high input voltage,

and wherein said second voltage dropping circuit connects said fourth conversion voltage supplying part instead of said third conversion voltage supplying part to said second node, before changing from a state in which said second input portion is disconnected from said second node and said third conversion voltage supplying part is connected to said second node to a state in which said second input portion is connected to said second node.

13. (Previously presented): A voltage converting device as claimed in claim 12, wherein said first voltage dropping circuit comprises:

a first switching circuit making a first connection state in which said second conversion voltage supplying part is connected to said first node and a first disconnection

state in which said second conversion voltage supplying part is disconnected from said first node; and
a first driving circuit driving said first switching circuit.

14. (Previously presented): A voltage converting device as claimed in claim 13, wherein said second voltage dropping circuit comprises:

a second switching circuit making a second connection state in which said third conversion voltage supplying part is connected to said second node and a second disconnection state in which said third conversion voltage supplying part is disconnected from said second node; and
a second driving circuit driving said second switching circuit.

15. (Original): A voltage converting device as claimed in claim 14, wherein said first driving circuit further plays a role as said second driving circuit.

16. (Original): A voltage converting device as claimed in claim 15, wherein said second conversion voltage comprises the same voltage level as said first low input voltage.

17. (Original): A voltage converting device as claimed in claim 16, wherein said fourth conversion voltage comprises the same voltage level as said second low input voltage.

18. (Original): A voltage converting device as claimed in claim 17, wherein said first conversion voltage supplying part plays a role as said third conversion voltage supplying part,

and wherein said second conversion voltage supplying part plays a role as said fourth conversion voltage supplying part.

19. (Original): A voltage converting device as claimed in claim 18, wherein said first conversion voltage is equal to the said third conversion voltage, and wherein said second conversion voltage is equal to the said fourth conversion voltage.

20. (Previously presented): A voltage converting device ~~as claimed in claim 1~~,
comprising:

a first input portion receiving a first input signal, wherein said first input signal having a first high input voltage and a first low input voltage, said first high input voltage having a relatively high voltage level and said first low input voltage having a relatively low voltage level;

a first output portion outputting a first output signal;

a second input portion receiving a second input signal, and wherein said second input signal having a second high input voltage and a second low input voltage, said second high input voltage having a relatively high voltage level and said second low input voltage having a relatively low voltage level;

a second output portion outputting a second output signal; and

a voltage dropping circuit dropping voltages on a first node located between said first input portion and said first output portion to ground voltage and on a second node located between said second input portion and said second output portion to ground voltage, before changing from a state in which said first input portion is

disconnected from said first node to a state in which said first input portion is connected to said first node.

21. (Previously presented): A voltage converting device as claimed in claim 20, wherein said voltage converting circuit comprises first conversion voltage supplying part supplying said first node with a first conversion voltage to convert one of said first high input voltage and said first low input voltage, said first conversion voltage having a higher voltage level than said first high input voltage,

and wherein said voltage dropping circuit drops the voltage on said first and second nodes, before changing from a state in which said first input portion is disconnected from said first node and said first conversion voltage supplying part is connected to said first node to a state in which said first input portion is connected to said first node.

22. (Previously presented): A voltage converting device as claimed in claim 21, wherein said voltage converting circuit comprises second conversion voltage supplying part supplying said first node with a second conversion voltage converting the other of said first high input voltage and said first low input voltage, said second conversion voltage having a voltage level lower than or equal to said first high input voltage,

and wherein said voltage dropping circuit connects said second conversion voltage supplying part to said first and second nodes, before changing from a state in which said first input portion is disconnected from said first node and said first conversion voltage supplying part is connected to said first node to a state in which said first input portion is connected to said first node.

23. (Previously presented): A voltage converting device as claimed in claim 22, wherein said voltage dropping circuit comprises:

a first switching circuit making a first connection state in which said second conversion voltage supplying part is connected to said first node and a first disconnection state in which said second conversion voltage supplying part is disconnected from said first node;

a second switching circuit making a second connection state in which said second conversion voltage supplying part is connected to said second node and a second disconnection state in which said second conversion voltage supplying part is disconnected from said second node; and

a first driving circuit driving said first switching circuit.

24. (Previously presented): A voltage converting device as claimed in claim 23, wherein said second conversion voltage has the same voltage level as said first low input voltage.